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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/834,234	04/12/2001	Subir Das	1301-US	5870
9941	7590	11/04/2004	EXAMINER	
TELCORDIA TECHNOLOGIES, INC. ONE TELCORDIA DRIVE 5G116 PISCATAWAY, NJ 08854-4157			CHANG, RICHARD	
			ART UNIT	PAPER NUMBER
			2663	

DATE MAILED: 11/04/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>		<b>Applicant(s)</b>	
	09/834,234		DAS ET AL.	
	<b>Examiner</b>		<b>Art Unit</b>	
	Richard Chang		2663	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --**

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 12 July 2001.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☐ Claim(s) \_\_\_\_\_ is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,3,9,17 and 19-21 is/are rejected.
- 7) ☒ Claim(s) 2,4-8,10-16,18 and 22-25 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 12 July 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)             | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____   | 6) <input type="checkbox"/> Other: _____                                    |

## DETAILED ACTION

### *Specification*

1. The disclosure is objected to because of the following informalities in the specification:

The **serial number** for a concurrently filed application, cited Attorney Docket Number 1258-US and entitled "Telecommunication enhanced mobile IP architecture for intra-domain mobility", is **missing** (See page 1, line 6).

Appropriate corrections are required.

### *Claim Objections*

2. Claims 10-14 are objected to because of the following informalities:

Regarding to Claims 10-12, the term "GCOA" in claims appear to be a short hand writing for a subject matter and could lead to different interpretations. This term "GCOA" should be spelled out explicitly and clearly in English.

Regarding to Claims 13-14, the term "LCOA" in claims appear to be a short hand writing for a subject matter and could lead to different interpretations. This term "LCOA" should be spelled out explicitly and clearly in English.

Appropriate correction is required.

### *Claim Rejections - 35 USC § 102*

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

6. Claims 1, 9, 17 and 19-21 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by US patent No. 6,697,354 ("Borella et al.").

Regarding claim 1, Borella et al teach a system and method for facilitating intra-domain mobility (See Fig. 15) comprising the steps and means of

providing a home subnet (212 as a first network) that includes a home agent (208 as first agent) including the home network address (location information) on the home subnet (212) about a mobile node (210) (See Fig. 15, Col 19, lines 62-64),

providing a foreign network that includes two or more sub networks (foreign subnet 218 and foreign subnets other than foreign subnet 218) and a foreign agent (216 as second agent) (See Fig. 15, Col 20, lines 65-67), and

registering the mobile node (210) with the foreign agent (216) such that the mobile node (210) is assigned a temporary foreign network address (unique globally reachable address) different from a home address (location information) of the mobile node (210) (See Fig. 15, Col 19, line 64 to Col 20, line 3), such that

the mobile node (210) can roam from any of the sub network (218) to another sub network without communicating to the home agent (208 as first agent) information about the transition and without communicating to the foreign agent (216 as second agent) information about a security association between the mobile node (210) and home agent (208 as first agent) (See Fig. 16, Col 20, lines 65-67).

Regarding claim 17, Borella et al further teach that the agent is based on the programmable CPU and the method is performed by CPU executed operations (See Col 6, lines 16-24).

Regarding claims 9 and 19, Borella et al further teach a layered Mobile IP stack (42) for distributed network access translation on all agents and inherently the mobile IP is a protocol for the network layer communication (See Fig. 2, Col 7, lines 14-21).

Regarding claim 20, Borella et al further teach that a first network includes a home subnet (212) for a mobile node (210) (See Fig. 15, Col 19, lines 5-7).

Regarding claim 21, Borella et al further teach that a second network includes a foreign subnet (218) for a mobile node (210) (See Fig. 15, Col 20, lines 18-20).

### ***Claim Rejections - 35 USC § 103***

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over US patent 6,697,354 ("Borella et al.") in view of 6,636,498 ("Leung").

Regarding claim 3, in the previous action item 4, Borella et al. teach substantially all the claimed invention but did not disclose expressly the particular application involving limitation of "the second agent includes a plurality of associated IP addresses to assign to a mobile node".

Leung teaches a method and system for Mobile IP networking wherein the Foreign Agent includes routing table (226) containing a plurality of IP addresses (See Fig. 2B-2, Col 8, lines 24-26).

A person of ordinary skill in the art would have been motivated to employ Leung in Borella et al. in order to obtain a system and method for facilitating intra-domain mobility and to take advantage of containing a plurality of IP addresses inside the Foreign Agent in claim 3.

The suggestion/motivation to do so would have been to accommodate a system and method for facilitating intra-domain mobility and to take advantage of containing a plurality of IP addresses inside the Foreign Agent in claim 3. At the time the invention was made, therefore, it would have been obvious to one of ordinary skill in the art to which the invention pertains to combine Leung with Borella et al to obtain the inventions specified in claim 3.

***Allowable Subject Matter***

9. Claims 2, 4-8, 10-16, 18 and 22-25 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims and if no art rejection can be applied.

**Conclusion**

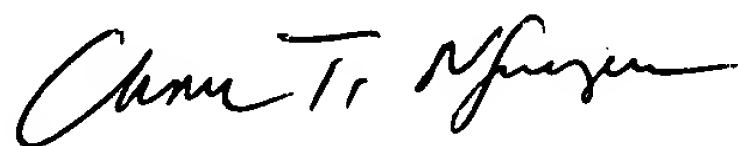
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Richard Chang whose telephone number is (571) 272-3129. The examiner can normally be reached on Monday - Friday from 8 AM to 5 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chau T Nguyen can be reached on (571) 272-3126. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

*RKC*  
rkc

Richard Chang  
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